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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/518,483	07/13/2005	Stefan Beichl	038741.55710US	5535
23911 7590 06/23/2008 CROWELL & MORING LLP INTELLECTUAL PROPERTY GROUP			EXAMINER	
			LEE, GILBERT Y	
P.O. BOX 14300 WASHINGTON, DC 20044-4300			ART UNIT	PAPER NUMBER
	,		3673	•
			MAIL DATE	DELIVERY MODE
			06/23/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	GILBERT Y. LEE	36/3	
The MAILING DATE of this communication appe	ears on the cover sheet with the o	correspondence ad	ldress
Period for Reply			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MALLING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period wit - Failure to reply within the set or scheded period for reply with gives, Any reply received by the Cffice later than three months after the mailing or earned patient term adjustment. See 37 CFR 1.74(b).	TE OF THIS COMMUNICATION (a). In no event, however, may a reply be tir I apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this o D (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on 19 Ma	<u>y 2008</u> .		
2a) This action is FINAL . 2b) This a	action is non-final.		
 Since this application is in condition for allowand 	ce except for formal matters, pro	secution as to the	e merits is
closed in accordance with the practice under Ex	parte Quayle, 1935 C.D. 11, 4	53 O.G. 213.	
Disposition of Claims			
4) Claim(s) 1 and 3-6 is/are pending in the applica	tion.		
4a) Of the above claim(s) 6 is/are withdrawn from	n consideration.		
5) Claim(s) is/are allowed.			
6)⊠ Claim(s) 1 and 3-5 is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction and/or	election requirement.		
Application Papers			
9) The specification is objected to by the Examiner			
10) The drawing(s) filed on is/are: a) acce	pted or b) objected to by the	Examiner.	
Applicant may not request that any objection to the d	rawing(s) be held in abeyance. Se	e 37 CFR 1.85(a).	
Replacement drawing sheet(s) including the correction	on is required if the drawing(s) is ob	jected to. See 37 C	FR 1.121(d)
11)☐ The oath or declaration is objected to by the Exa	miner. Note the attached Office	Action or form P	ГО-152.
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign p a) All b) Some * c) None of:	oriority under 35 U.S.C. § 119(a)-(d) or (f).	
1.⊠ Certified copies of the priority documents	have been received		
2. ☐ Certified copies of the priority documents		ion No	
Copies of the priority documents Copies of the certified copies of the priority			Stage
application from the International Bureau	•	o in this reational	Olage
* See the attached detailed Office action for a list of		ed.	
333 and attached detailed Office action for a list of	. a.o comined copied not receive	····	

Attachment(s)		
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information-Disclosure Statement(s) (PTO/SCICS) Paper Nots/Mail Date	4) Interview Summary (PTO-413) Paper No(s)Mail Date. 5) Notice of Informal Patent Application. 6) Other:	

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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 5/19/08 has been entered.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- Claims 1 and 3-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hoffelner et al. (DE Patent No. 3,507,638) in view of Marnot (US Patent No. 6,152,454).

Regarding claim 1, the Hoffelner et al. reference discloses a sealing arrangement (Fig. 1c) for sealing a gap between two components (Fig. 1c) which can move rotationally with respect to one another about a common axis (e.g. axis of conical shaft in Fig. 1c), having a brush seal (e.g. 4) that interacts with a sealing surface (e.g. surface of conical shaft in Fig. 1c in contact with brush seal) of the second component, wherein

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the sealing surface is a surface of a shaft end of the second component which is conical in form (Fig. 1c), including a brush seal having a first and second backing plate (Fig. 1c).

However, the Hoffelner et al. reference fails to explicitly disclose a first component, the first component being axially displaceable and adjustable with respect to the second component, the first component being disposed axially adjacent to the second component shaft end, and means for axial displacement and adjustment being provided between the first component and a casing surrounding the first component, such that when the first component is axially displaced, the brush seal is axially displaced relative to the second component.

The Mamot reference, a seal arrangement for rotatable members, discloses a first component (10), the first component being axially displaceable and adjustable with respect to the second component (2) the first component being disposed axially adjacent to the second component shaft end (Fig. 2), and means for axial displacement and adjustment (e.g. 13, 13a, 9, 14a) being provided between the first component and a casing (e.g. 8) surrounding the first component, such that when the first component is axially displaced, the brush seal is axially displaced relative to the second component (Fig. 2).

It would have been obvious to one of ordinary skill in the art at the time of the invention to provide a first component and axial displacement and adjustment means to the Hoffelner et al. reference in view of the teachings of the Marnot reference in order to prolong the life of the sealing element.

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Regarding claim 3, the Hoffelner et al. reference, as modified in claim 1, discloses the means for axial displacement and adjustment comprising a sliding seat (Ingistov, e.g. 54), an adjustment nut (e.g. 32') which is fitted into the casing (18) and a displacement screw thread (e.g. threads on element 50) cut into the first component.

Regarding claim 4, the Hoffelner et al. reference, as modified in claim 1, discloses the axial displacement being controlled by at least one threaded connection (e.g. 50 and threads in element 32') between one of the components (e.g. 48) and a casing (e.g. 32') which receives said component.

Regarding claim 5, the Mayr et al. reference discloses the axial displacement being controlled by a mechanical adjuster (e.g. 50).

Response to Arguments

Applicant's arguments with respect to claims 1 and 3-5 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

 Any inquiry concerning this communication or earlier communications from the examiner should be directed to GILBERT Y. LEE whose telephone number is (571)272-5894. The examiner can normally be reached on 8:00 - 4:30, M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patricia L. Engle can be reached on (571)272-6660. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Patricia L Engle/ Supervisory Patent Examiner, Art Unit 3673

/G. Y. L./ Examiner, Art Unit 3673